

#5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Docket Number: AM-00102.P.1	Patent Number: 09/805,296
	Applicant: Efimov et al.	
	Filing Date: March 13, 2001	Group Art Unit: 1651

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1						

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D1	Efimov et al., Russian Journal of Bioorganic Chemistry 24(9) 618-630 (1998) (Translated from Bioorganicheskaya Khimiya 24(9):696-709 (1998))
	D2	Efimov et al., Bioorganicheskaya Khimiya 24(9):696-709 (1998).

Examiner Signature	<i>Adam McFie</i>	Date Considered	12/10/01
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#10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Docket Number: AM-00102.P.1	Patent Number: 09/805,296
	Applicant: Efimov et al.	
	Filing Date: March 13, 2001	Group Art Unit: 1651 1624

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1						

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							YES	NO
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EXAMINER INITIALS		CITATION
RM	D1	Efimov et al., Russian Journal of Bioorganic Chemistry 24(9) 618-630 (1998) (Translated from Bioorganicheskaya Khimiya 24(9):696-709 (1998))
RM	D2	Efimov et al., Bioorganicheskaya Khimiya 24(9):696-709 (1998).

Abstract only

Examiner Signature	Sam McIlroy	Date Considered	12/10/02
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#16

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Docket Number: AM-00102.P.1-US	Patent Number: 09/805,296
	Applicant: Efimov et al.	
	Filing Date: March 13, 2001	Group Art Unit: <i>1624</i>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
<i>gm</i>	P1	5,760,201	6/2/98	Glazer <i>et al.</i>	<i>536</i>	<i>22.1</i>	
	P2	5,783,687	7/21/98	Glazer <i>et al.</i>	<i>536</i>	<i>26.6</i>	
	P3	6,054,272	4/25/00	Glazer <i>et al.</i>	<i>435</i>	<i>6</i>	
	P4	6,180,767	1/30/01	Wickstrom <i>et al.</i>	<i>536</i>	<i>22.1</i>	
	P5	6,232,066	5/15/01	Felder <i>et al.</i>	<i>435</i>	<i>6</i>	
	P6	6,280,946	8/28/01	Hyldig-Nielsen <i>et al.</i>	<i>435</i>	<i>6</i>	
	P7	6,312,956	11/6/01	Lane	<i>435</i>	<i>455</i>	
<i>g</i>	P8	6,326,479	12/4/01	Gildea <i>et al.</i>	<i>536</i>	<i>23.1</i>	

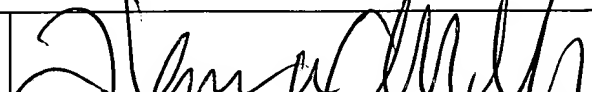
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation	
							YES	NO
<i>gm</i>	F1	WO 99/60156	11/25/99	<i>Abstract</i>				<i>X</i>
<i>gm</i>	F2	WO 00/34521	6/15/00					
<i>gm</i>	F3	WO 01/01144	1/4/01					
<i>gm</i>	F4	WO 01/38565	5/31/01					
<i>gm</i>	F5	WO 01/68673	9/20/01					

Examiner Signature: <i>Thomas M. M. M.</i>	Date Considered: <i>4/2/03</i>
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS	PATENT & TRADEMARK OFFICE	CITATION
	D1	Bergmann <i>et al.</i> , Solid Phase Synthesis of Directly Linked PNA-DNA-Hybrids, <i>Tetrahedron Letters</i> 36: 6823-6826 (1995).
	D2	De Backer <i>et al.</i> , An antisense-based functional genomics approach for identification of genes critical for growth of <i>Candida albicans</i> , <i>Nat. Biotechnol.</i> 19: 235-41 (2001).
	D3	Efimov <i>et al.</i> , PNA-Related Oligonucleotide Mimics and their Evaluation for Nucleic Acid Hybridization Studies and Analysis, <i>Nucleosides, Nucleotides & Nucleic Acids</i> 20(4-7), 419-428 (2001).
	D4	Eriksson <i>et al.</i> , Cell Permeabilization and Uptake of Antisense Peptide-Peptide Nucleic Acid (PNA) into <i>Escherichia coli</i> , <i>J. Biol. Chem</i> 277: 7144-7147 (2002).
	D5	Good <i>et al.</i> , Antisense inhibition of gene expression in bacteria by PNA targeted to mRNA, <i>Nat. Biotechnol.</i> 16: 355-358 (1998).
	D6	Good <i>et al.</i> , Antisense PNA effects in <i>Escherichia coli</i> are limited by the outer-membranes LPS layer, <i>Microbiology</i> 146: 2665-2670 (2000).
	D7	Nasevicius <i>et al.</i> , Effective targeted gene 'knockdown' in zebrafish, <i>Nat. Genet.</i> 26: 216-220 (2000).
	D8	Phelan <i>et al.</i> , Messenger RNA Isolation Using Novel PNA Analogues, <i>Nucleosides, Nucleotides & Nucleic Acids</i> 20(4-7): 1107-1111 (2001).
	D9	Rye <i>et al.</i> , Stable fluorescent complexes of double-stranded DNA with bis-intercalating asymmetric cyanine dyes: properties and applications, <i>Nucl. Acids Res.</i> 20: 2803-2812 (1992).
	D10	Sazani <i>et al.</i> , Nuclear antisense effects of neutral, anionic and cationic oligonucleotide analogs, <i>Nucl. Acids Res.</i> 29: 3965-3974 (2001).
	D11	Sun <i>et al.</i> , Detection of tumor mutations in the presence of excess amounts of normal DNA, <i>Nat. Biotechnol.</i> 19: 186-189 (2002).
	D12	Tomac <i>et al.</i> , Ionic Effects on the Stability and Conformation of Peptide Nucleic Acid Complexes, <i>J. Am. Chem. Soc.</i> 118: 5544-5552 (1996).
	D13	Weiler <i>et al.</i> , Hybridisation based DNA screening on peptide nucleic acid (PNA) oligomer arrays, <i>Nucl. Acids Res.</i> 25: 2792-2799(1997).
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	D16	advertisement, <i>Science</i> 296: 1780 (June 2002).

Examiner Signature		Date Considered	7/7/03
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